

# Question Paper

Exam Date & Time: 14-Jun-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. MEDICAL IMAGING TECHNOLOGY DEGREE EXAMINATION - MAY/JUNE 2019  
SUBJECT: BMIT 206 - RADIOGRAPHIC SPECIAL PROCEDURES AND PATIENT CARE  
(2016 SCHEME)

Friday, June 14, 2019 (14.00 - 17.00)

Answer ALL questions.

Draw the diagrams whenever required.

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) Adverse effects of contrast media and its management. (20)
- 1B) Name the various available barium studies for evaluation of gastro-intestinal tract and discuss in detail about the double contrast barium meal study. (20)
- 2A) Define angiography. Write in detail about the indications, contraindication, preparation, procedure and complications. (10)
- 2B) Describe the various contrast media used in GIT. (10)
- 3) **Discuss the following:**
- 3A) Differences between Enteroclysis and BMFT (5)
- 3B) Patient preparation and filmings in IVU (5)
- 3C) Write the techniques of Barium swallow single and double contrast. (5)
- 3D) Filming techniques in Myelogram (5)
- 3E) Methods of minimizing radiation exposure in fluoroscopy (5)
- 3F) Ascending urethrography (5)
- 4) **Write short notes on:**
- 4A) Adverse effects for barium sulphate contrast (2)
- 4B) Indications for hysterosalpingography (2)
- 4C) Water soluble contrast enema (2)
- 4D) Patient preparation for fallopian tube recanalization (2)
- 4E) Duties of a technologist during contrast reactions (2)

-----End-----

# Question Paper

Exam Date & Time: 28-May-2019 (02:00 PM - 04:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT/ B.Sc. C.V.T./ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T./ B.Sc. P.F.T. DEGREE  
EXAMINATION - MAY/JUNE 2019  
SUBJECT : PHARMACOLOGY (PHAR 202)  
(2016 SCHEME)  
Tuesday, May 28, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) List two classes of skeletal muscle relaxants with an example for each. (2)
- 1B) List two opioids and mention their two uses. (2)
- 1C) List two inhalational and two intravenous general anesthetics. (2)
- 1D) List two uses and two adverse effects of corticosteroids. (2)
- 1E) List two oral antidiabetic drugs and mention two adverse effects of insulin. (2)
- 2A) List four anti-tubercular drugs. (2)
- 2B) **Define the following with one example:** (8)  
i) Teratogenicity  
ii) Local anesthetics  
iii) Chemoprophylaxis  
iv) First pass metabolism
- 3A) Explain the mechanism of action of paracetamol and list its two uses. Mention two differences between aspirin and paracetamol. (5)
- 3B) List three classes of drugs with an example for each used in peptic ulcer. Explain the mechanism of action of any one class. (5)
- 3C) List two advantages and two disadvantages each of sublingual and intravenous routes of drug administration. Mention one drug each administered by sublingual and intravenous routes. (5)
- 3D) Mention two anticoagulants and explain the mechanism of action of any one of them. List two uses and two adverse effects of anticoagulants. (5)
- 4) **Give two examples and two uses for the following class of drugs:**
- 4A) Beta blockers (2)
- 4B) Antihistaminics (2)
- 4C) Beta lactam antibiotics (2)
- 4D) Benzodiazepines (2)
- 4E) ACE inhibitors (2)

-----End-----

# Question Paper

Exam Date & Time: 31-May-2019 (02:00 PM - 04:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. C.V.T./ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T. / B.Sc. H.I.M. / B.Sc. E.S.S.  
AND SECOND SEMESTER B.Sc. M.R.T. DEGREE EXAMINATION - MAY/JUNE 2019  
SUBJECT : GENERAL PSYCHOLOGY/ PSYCHOLOGY (PSYC 202)  
(2016/2016 RV SCHEME)  
Friday, May 31, 2019 (14.00 - 16.00)

Answer ALL questions.

Marks: 50

Duration: 120 mins.

Write essays on:

- 1) Explain Classical conditioning along with its applications. (10)
- 2) Elaborate on any two theories of motivation. (10)

3) Write short notes on:

- 3A) Perceptual organization (5)
- 3B) Heuristics (5)
- 3C) Defence mechanisms (5)
- 3D) Types of conflicts (5)

4) Write very short answers on:

- 4A) Introspection (2)
- 4B) Shaping (2)
- 4C) Frustration (2)
- 4D) IQ (2)
- 4E) Fine motor skills (2)

-----End-----

# Question Paper

Exam Date & Time: 10-Jun-2019 (02:00 PM - 03:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. MEDICAL IMAGING TECHNOLOGY DEGREE EXAMINATION - MAY/JUNE 2019  
SUBJECT: BMIT 204 - GENERAL MEDICINE II  
(REPEATERS - 2016 SCHEME)  
Monday, June 10, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Discuss the various imaging studies in the diagnosis of cardiovascular diseases. (10)
- 2) Discuss the etiology, clinical features, investigations and treatment of Bronchogenic Carcinoma. (10)

3) Write short answers:

- 3A) The imaging studies and treatment in a case of Cirrhosis. (5)
- 3B) What are the clinical features and management of Viper Snake bite? (5)
- 3C) The clinical features and management of a case of Iron Deficiency Anemia. (5)
- 3D) Define the term Metabolic Syndrome. Describe briefly the management of a case Metabolic Syndrome. (5)

4) Write brief answers:

- 4A) Clinical features of Obstructive Jaundice (2)
- 4B) Investigations in a case of Deep Venous Thrombosis (2)
- 4C) Causes of Atrial Fibrillation (2)
- 4D) Treatment of Bronchial Asthma (2)
- 4E) Lymphedema (2)

-----End-----